

EXHIBIT 6

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This exhibit contains the measured data for this equipment as follows:

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- 6F-1: 2.4W, Harmonic of Carrier 806.0125 MHz, 12.5 kHz Channel Spacing
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EXHIBIT 6H - Frequency Stability

6H-1 – 1.5 ppm Frequency Stability vs. Temperature (815.0125 MHz)

6H-2 – 1.5 ppm Frequency Stability vs. Temperature (859.9875 MHz)

6H-3 – 1.5 ppm Frequency Stability vs. Voltage (815.0125 MHz)

6H-4 – 1.5 ppm Frequency Stability vs. Voltage (859.9875 MHz)

** Please note that the above data were taken following the procedures and limits outlined in TIA 603-D and RSS 119 during the month of September 2013. See Table 2 in Ex07_test procedures

Radio model tested: AAH81VCN9NB2AN

Important Note: The data in this test report meets or exceeds the technical requirements of FCC Rule Parts 90

EXHIBIT 6A

RF Conducted Output Power:

Frequency= 806.0125 MHz:

Output RF power	2.38 Watts
DC Voltage	3.70 Volts
DC Current	2.09 Amps

Output RF power	1.16 Watts
DC Voltage	3.70 Volts
DC Current	1.27 Amps

Frequency= 815.0125 MHz:

Output RF power	2.40 Watts
DC Voltage	3.70 Volts
DC Current	2.11 Amps

Output RF power	1.15 Watts
DC Voltage	3.70 Volts
DC Current	1.29 Amps

Frequency = 823.9875 MHz:

Output RF power	2.39 Watts
DC Voltage	3.70 Volts
DC Current	2.10 Amps

Output RF power	1.15 Watts
DC Voltage	3.70 Volts
DC Current	1.30 Amps

Frequency = 851.0125 MHz:

Output RF power	2.39 Watts
DC Voltage	3.70 Volts
DC Current	2.04 Amps

Output RF power	1.17 Watts
DC Voltage	3.70 Volts
DC Current	1.29 Amps

Frequency = 859.9875 MHz:

Output RF power	2.39 Watts
DC Voltage	3.70 Volts
DC Current	2.01 Amps

Output RF power	1.16 Watts
DC Voltage	3.70 Volts
DC Current	1.28 Amps

Frequency = 868.9875 MHz:

Output RF power	2.39 Watts
DC Voltage	3.70 Volts
DC Current	2.05 Amps

Output RF power	1.18 Watts
DC Voltage	3.70 Volts
DC Current	1.28 Amps

EXHIBIT 6B

Transmit Audio Frequency Response

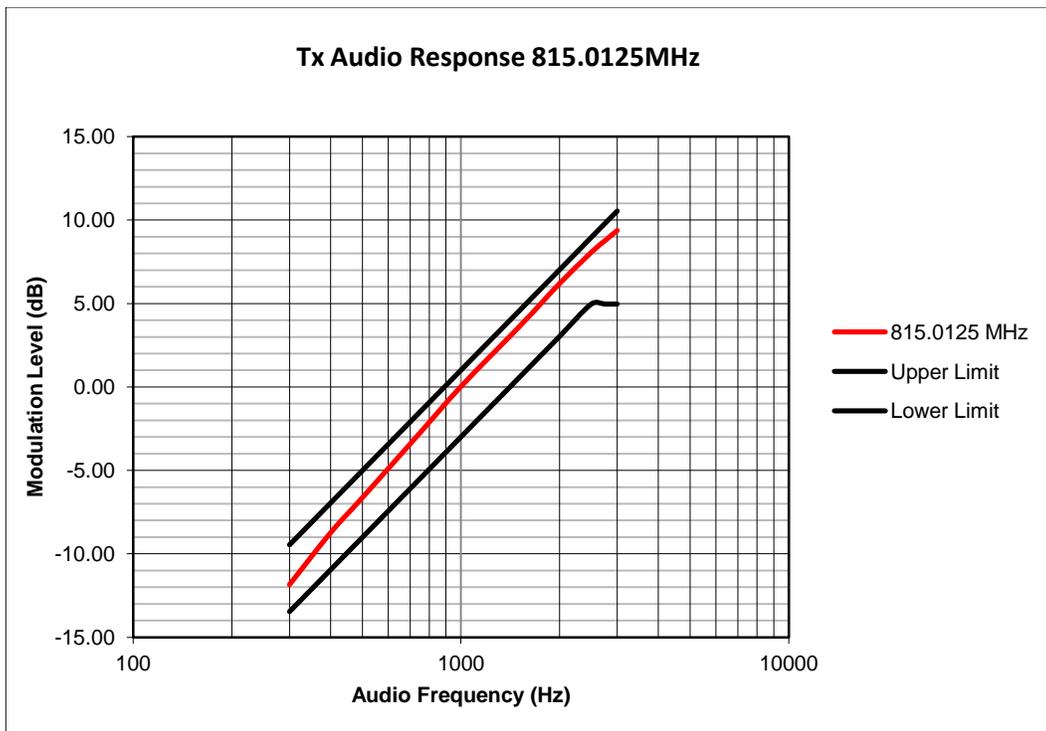


Figure 6B-1: 12.5 kHz Channel Spacing, 815.0125 MHz, Transmit Audio Frequency Response

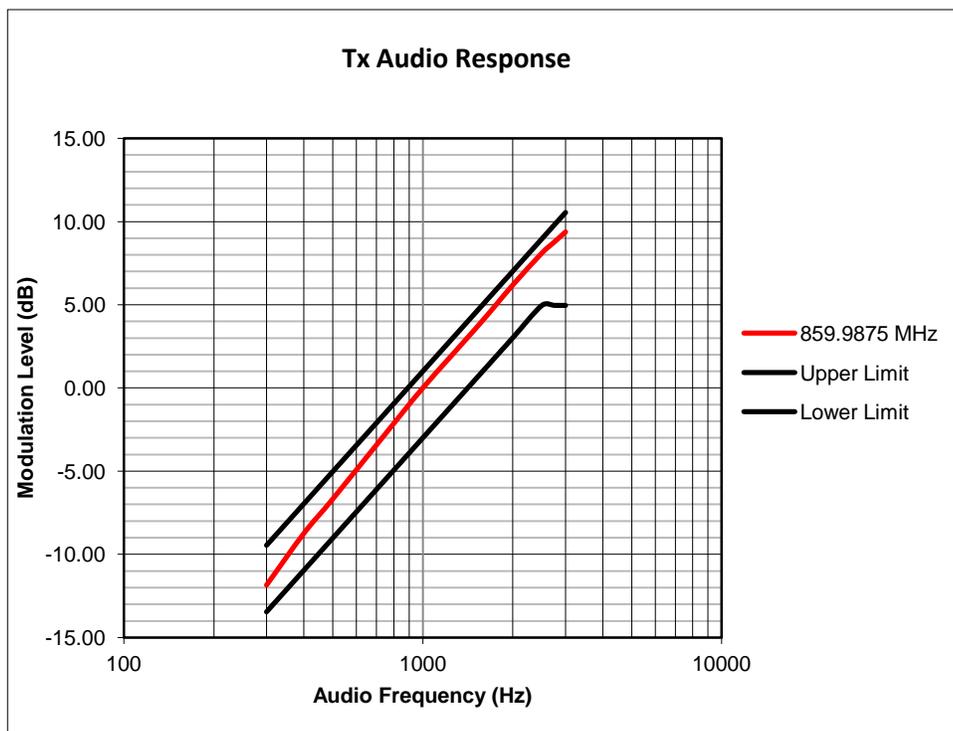


Figure 6B-2: 12.5 kHz Channel Spacing, 859.9875 MHz, Transmit Audio Frequency Response

EXHIBIT 6C

Transmit Audio Low Pass Filter Response

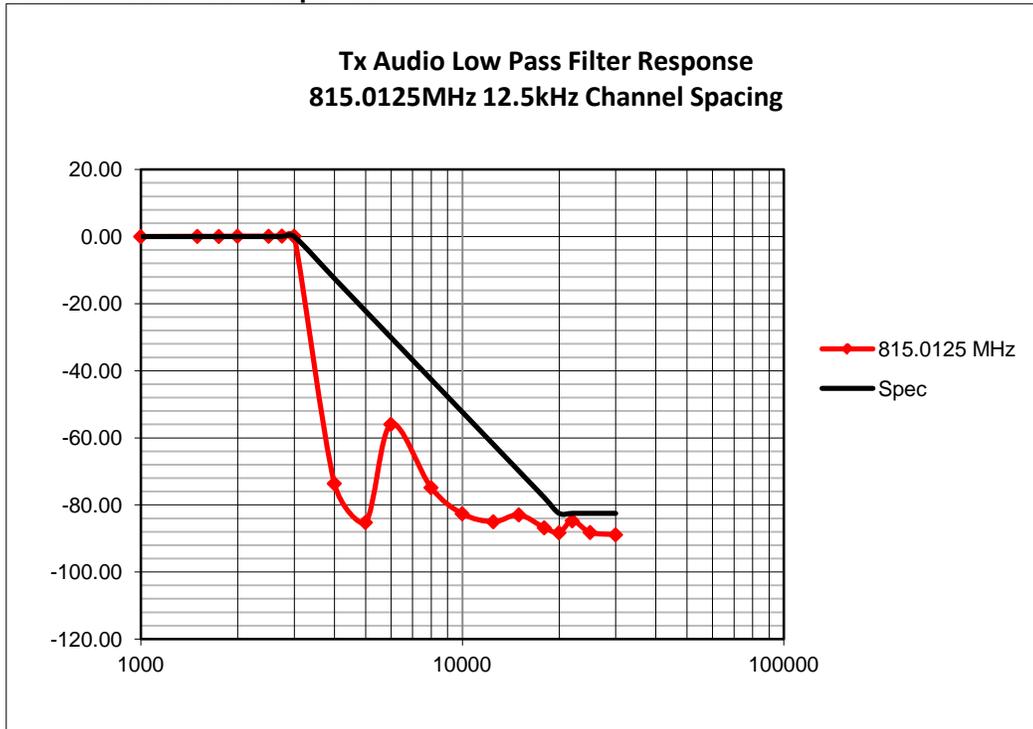


Figure 6C-1: 12.5 kHz Channel Spacing, 815.0125 MHz, Transmit Audio Low Pass Filter Response

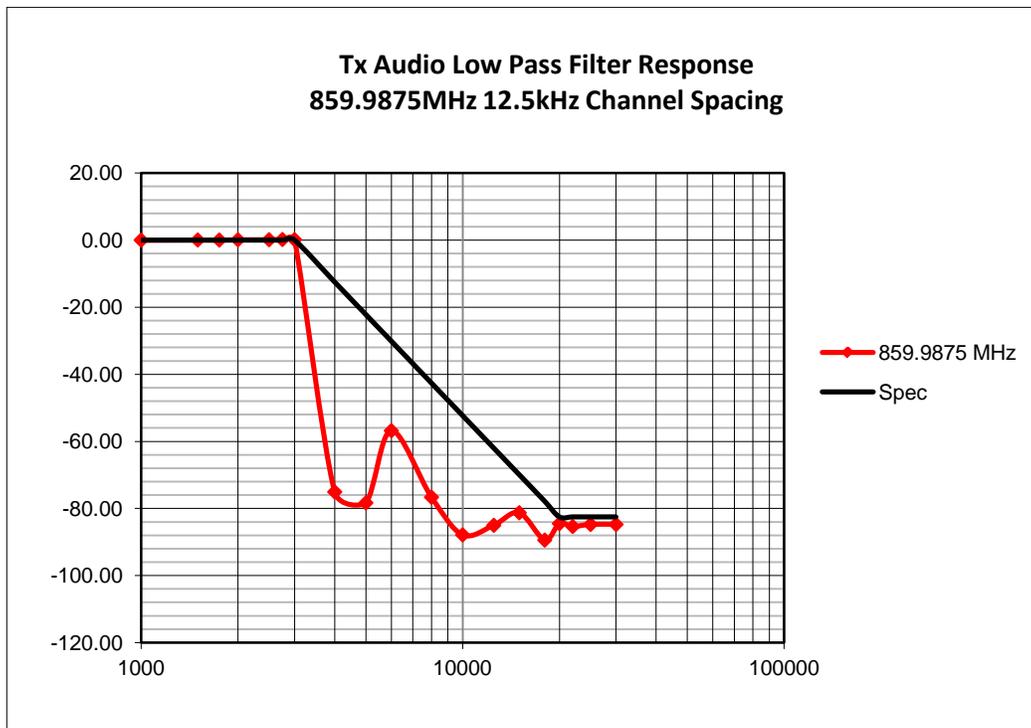


Figure 6C-2: 12.5 kHz Channel Spacing, 859.975 MHz, Transmit Audio Low Pass Filter Response

EXHIBIT 6D

Modulation Limiting

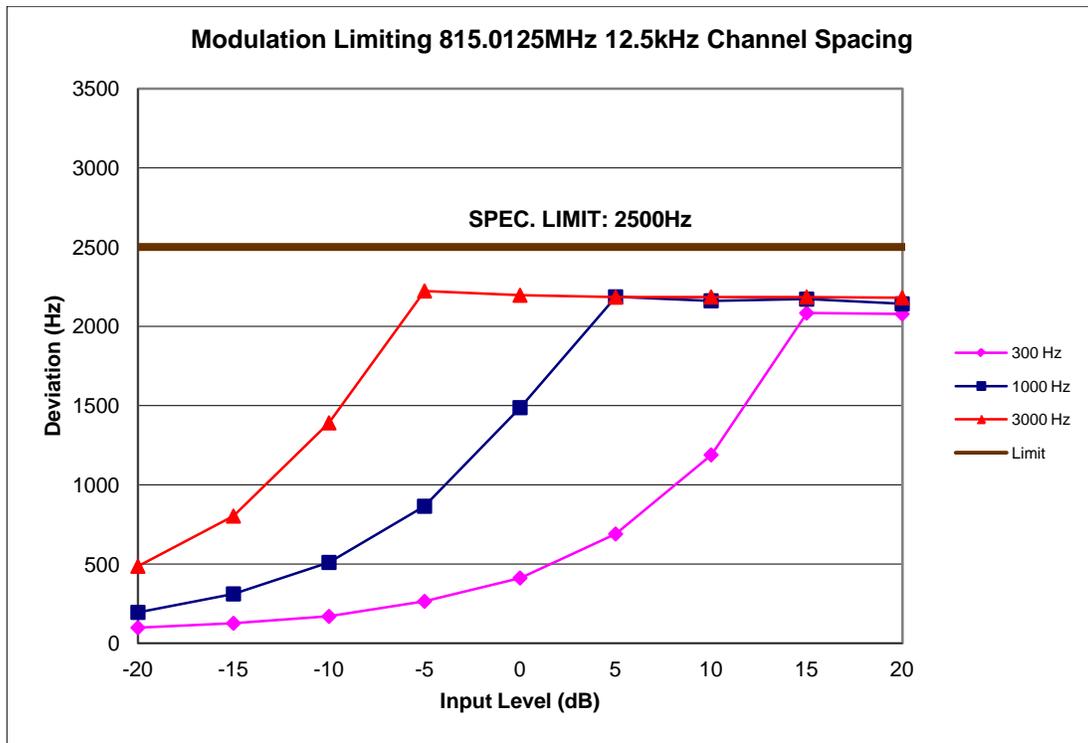


Figure 6D-1: 12.5 kHz Channel Spacing, 815.0125 MHz, Modulation Limiting

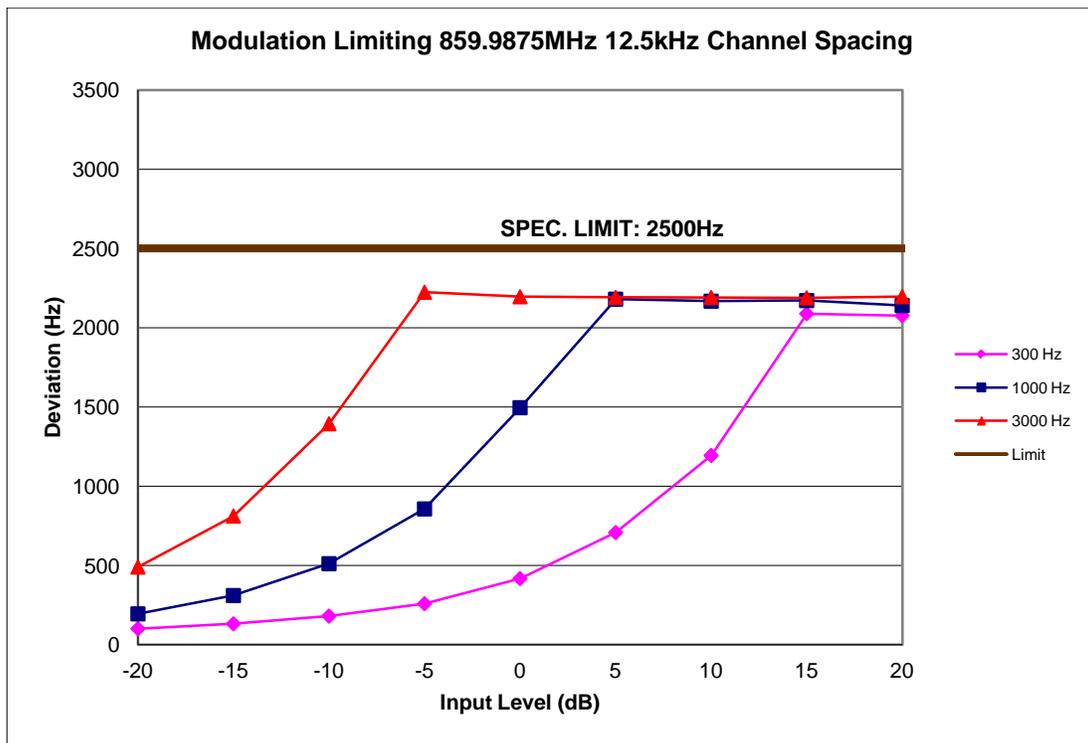


Figure 6D-2: 12.5 kHz Channel Spacing, 859.9875 MHz, Modulation Limiting

BANDWIDTH CALCULATIONS:

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator. Carson's Rule is: $BW = 2 * (M + D)$ where: BW = Bandwidth
M= Maximum modulating frequency
D = Deviation

Shown below are the calculations required for FCC ID: **AZ489FT5866**.

a) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)
Emission Designator **7K60F1D**

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (Title 47 CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (7K60 designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation **F**
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex **1**
Data Transmission, telemetry, telecommand **D**

The complete emissions designator for this transmitter is **7K60F1D**.

b) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice and Data)
Emission Designator **7K60F1E**

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (7K60 designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation **F**
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex **1**
Telephony (including sound broadcasting) **E**

The complete emissions designator for this transmitter is **7K60F1E**.

c) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)
Emission Designator **7K60FXD**

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (Title 47 CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (7K60 designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation **F**
Case not otherwise covered **X**
Data Transmission, telemetry, telecommand **D**

The complete emissions designator for this transmitter is **7K60FXD**.

d) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice and Data)
Emission Designator **7K60FXE**

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (7K60 designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
Case not otherwise covered	X
Telephony (including sound broadcasting)	E

The complete emissions designator for this transmitter is **7K60FXE**.

e) Digital (12.5 kHz Channelization, Digital TDMA)
Emission Designator **7K60F1W**

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (7K60 designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex	1
Combination of Data Transmission, telemetry, telecommand (D), and Telephony (E)...	W

The complete emissions designator for this transmitter is **7K60F1W**.

EXHIBIT 6E

Occupied Bandwidth Data

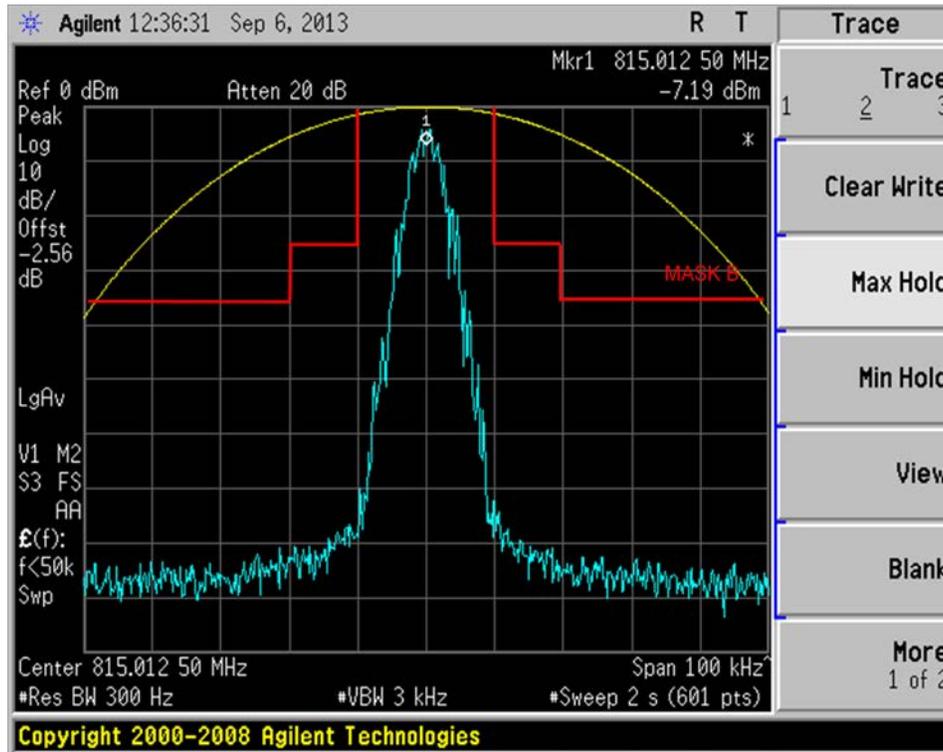


Figure 6E-1: 815.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60FXE Mask B

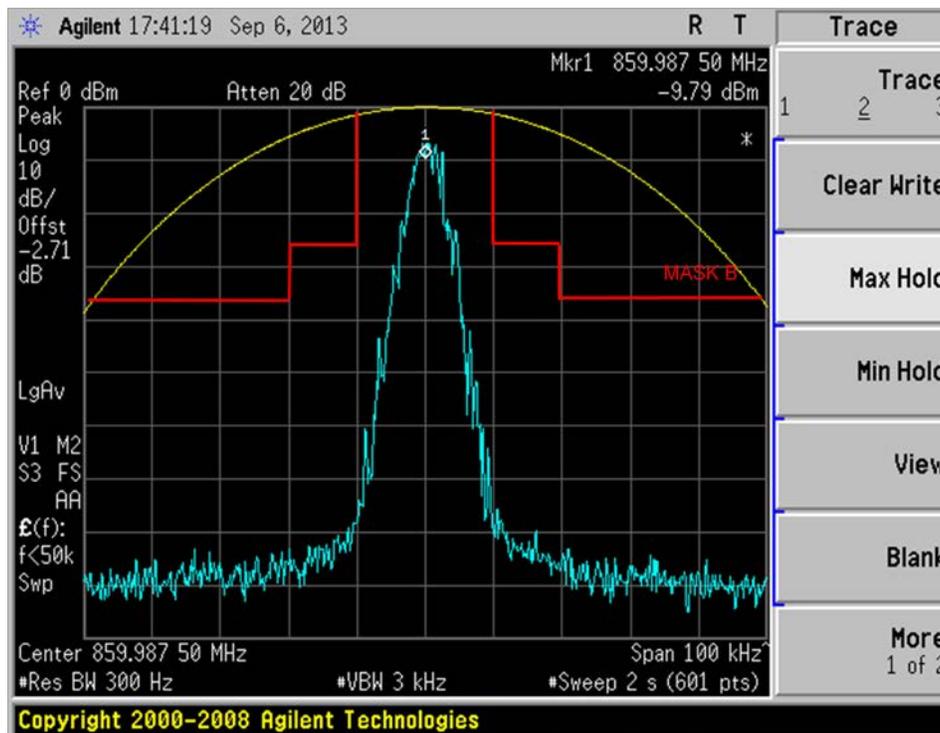


Figure 6E-2: 859.9875 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask B

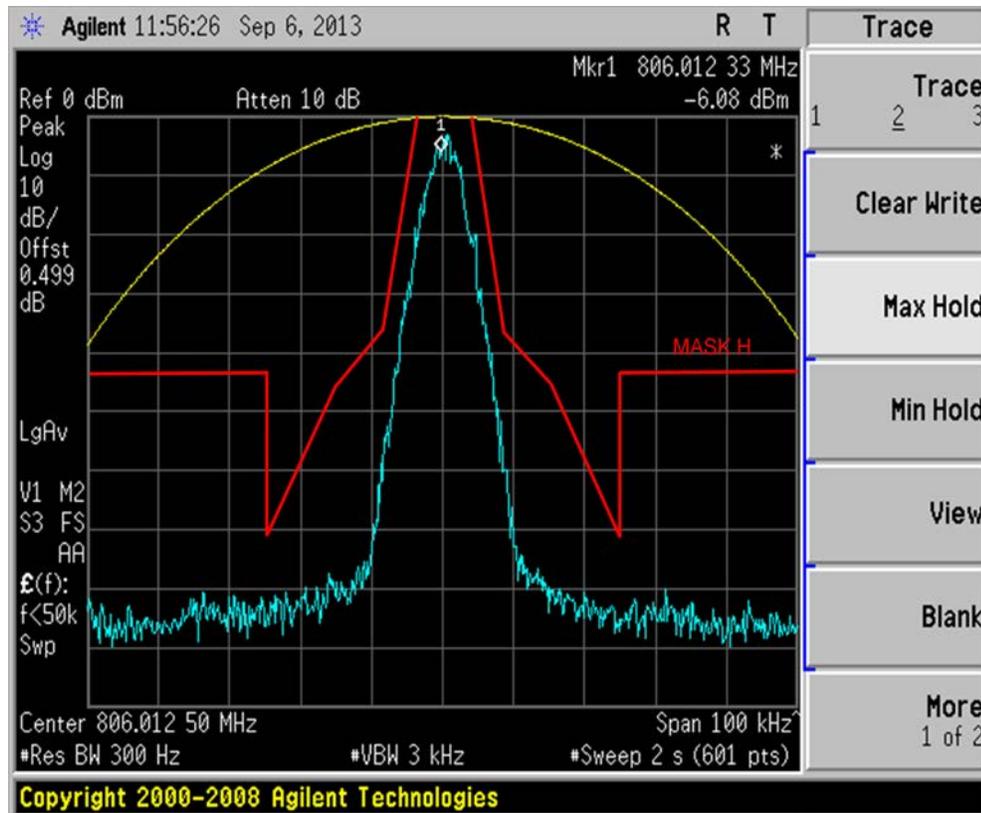


Figure 6E-3: 806.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60FXE Mask H

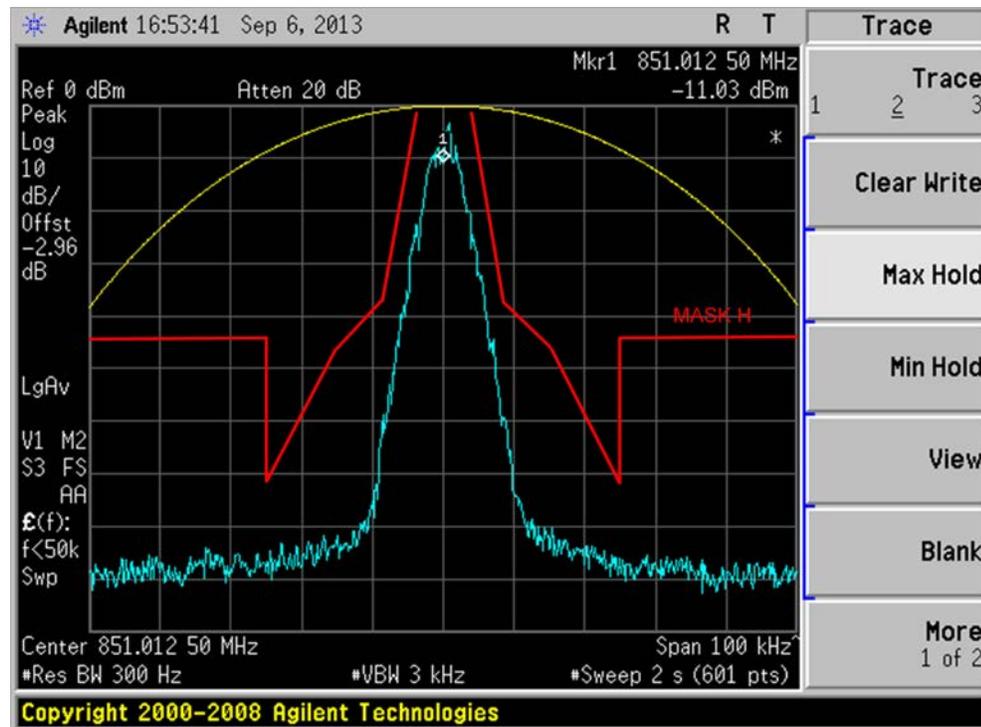


Figure 6E-4: 851.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask H

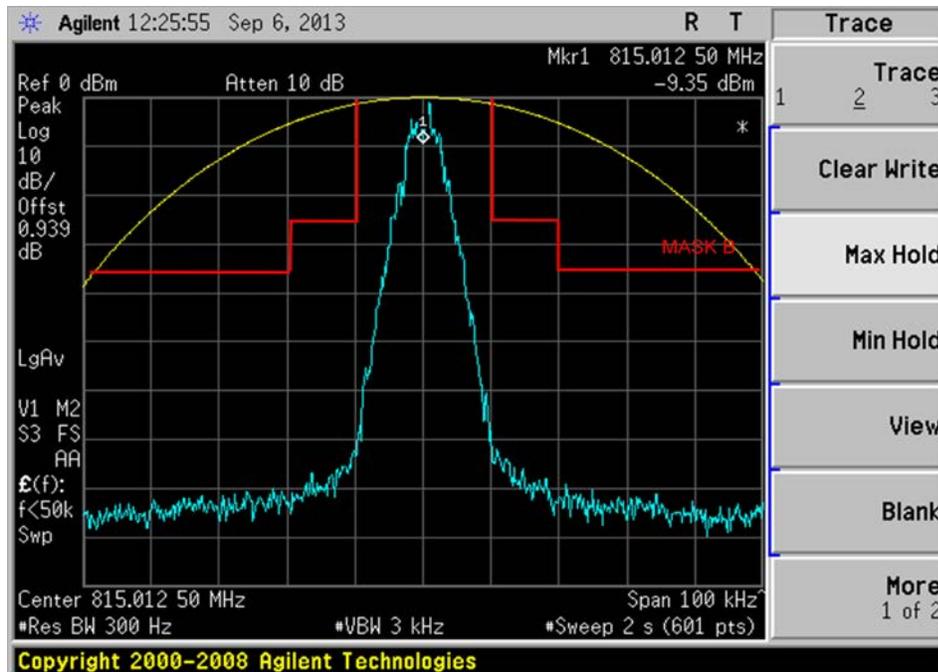


Figure 6E-5: 815.0125 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60FXD Mask B

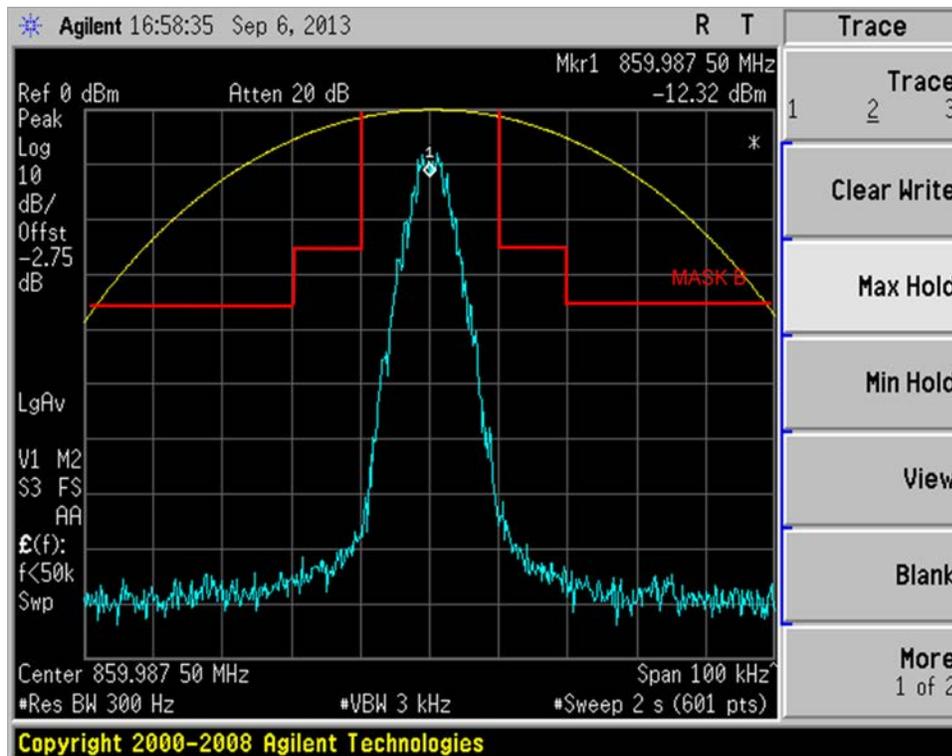


Figure 6E-6: 859.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask B

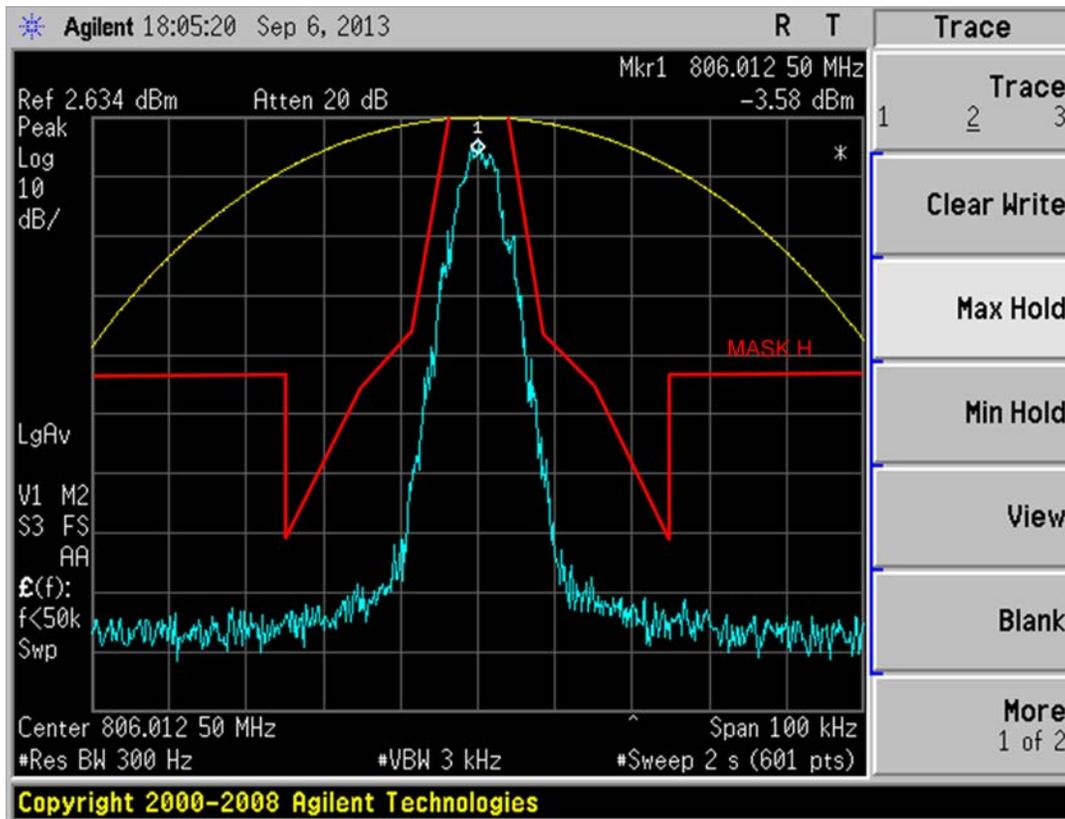


Figure 6E-7: 806.0125 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60FXD Mask H

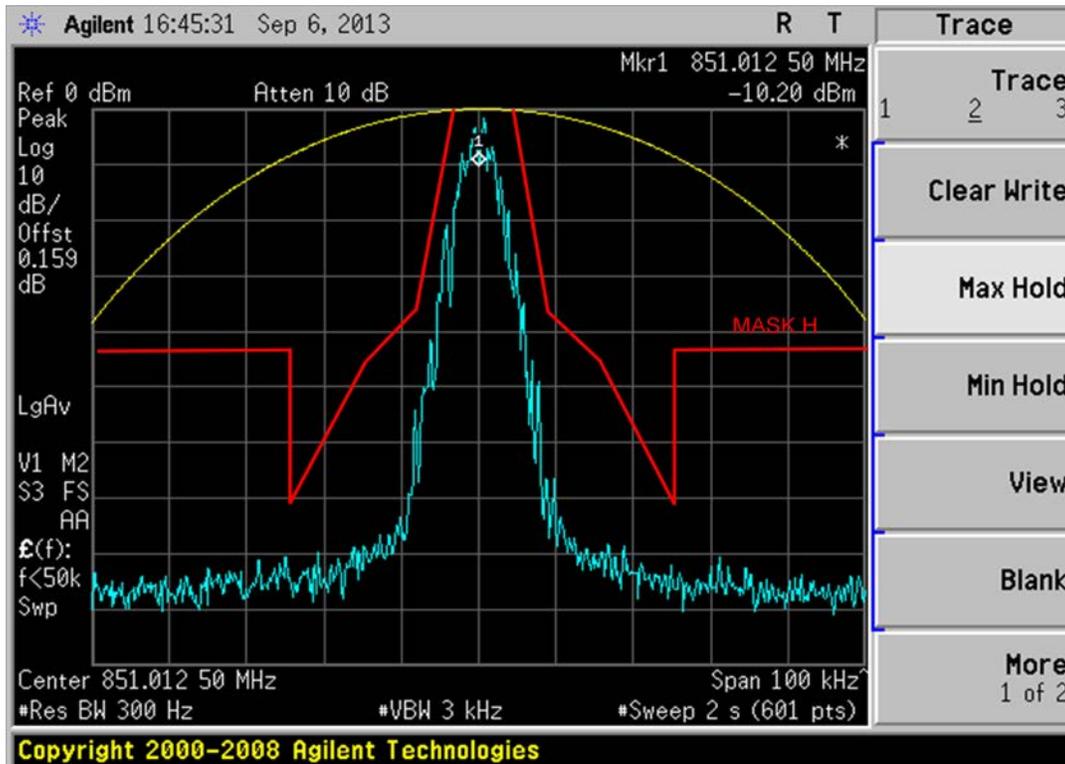


Figure 6E-8 851.0125 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask H

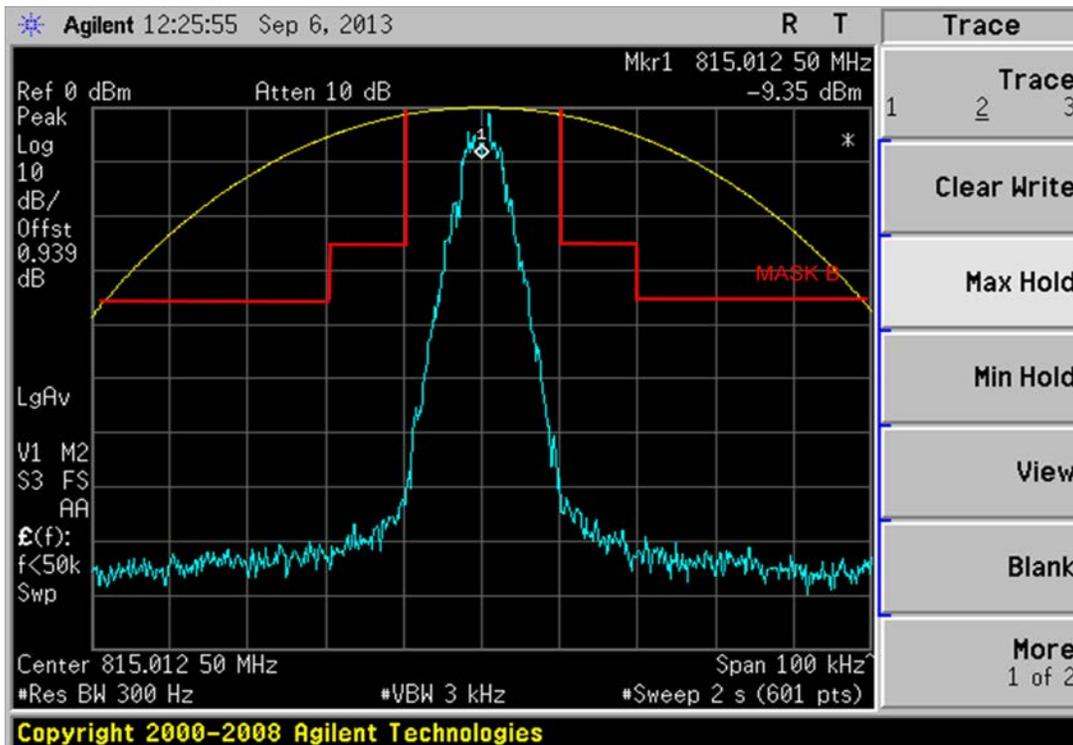


Figure 6E-9: 815.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask B

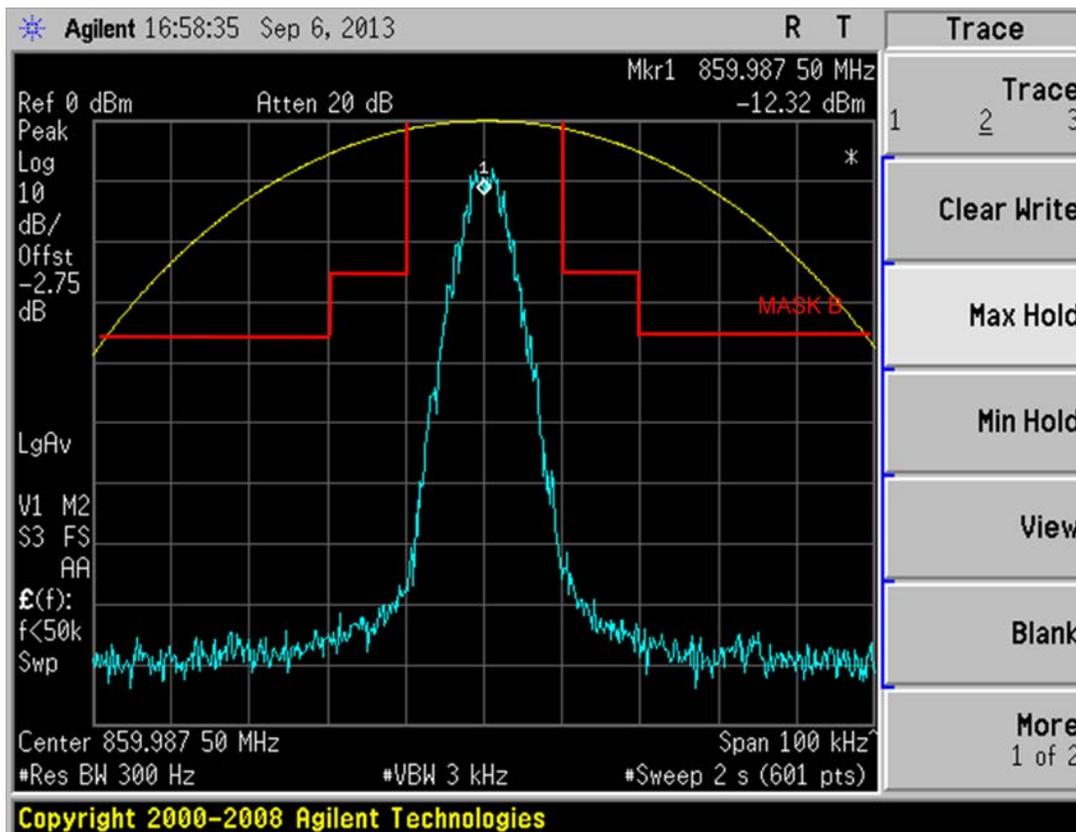


Figure 6E-10: 859.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask B

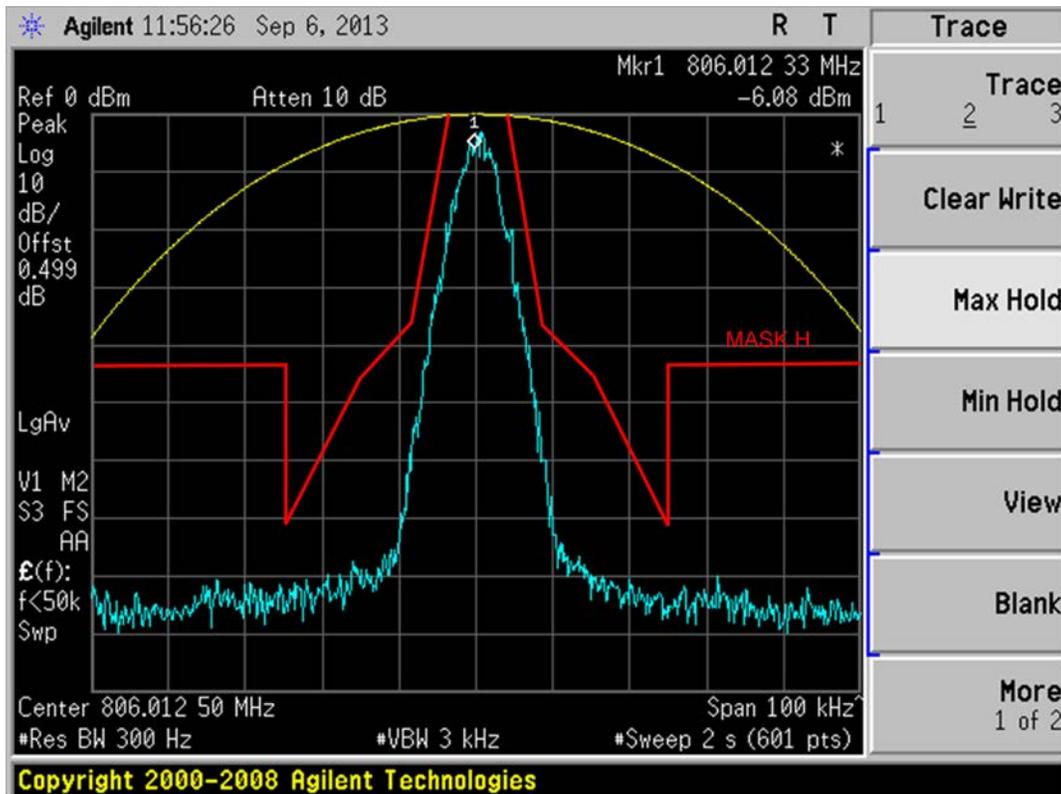


Figure 6E-11: 806.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask H

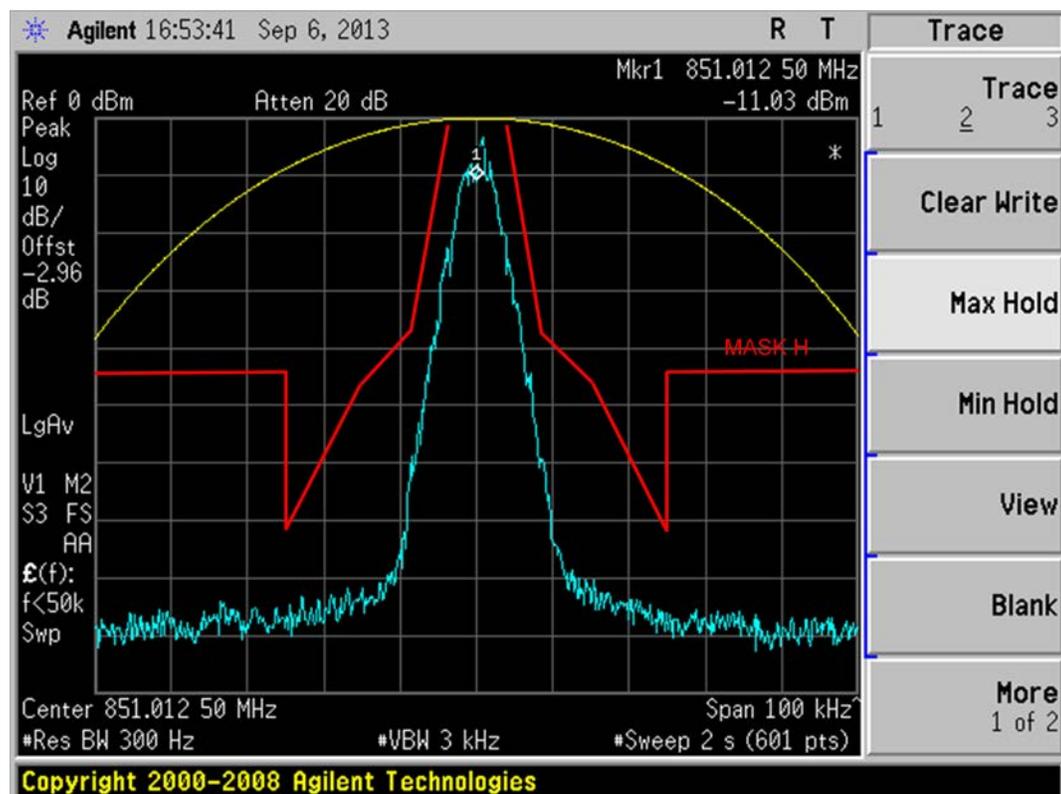


Figure 6E-12: 851.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask H

****NOTE:-**

- **All measurements of Occupied Bandwidth which are shown on the above plots are measured using a Spectrum Analyzer**
- **Measurement using a Spectrum Analyzer must use a 30dB attenuation in order to avoid damage to it**
- **Therefore the reference power level (Ref) shown on each plot refers to its true power level**

EXHIBIT 6F

Transmitter Conducted Spurious Emissions

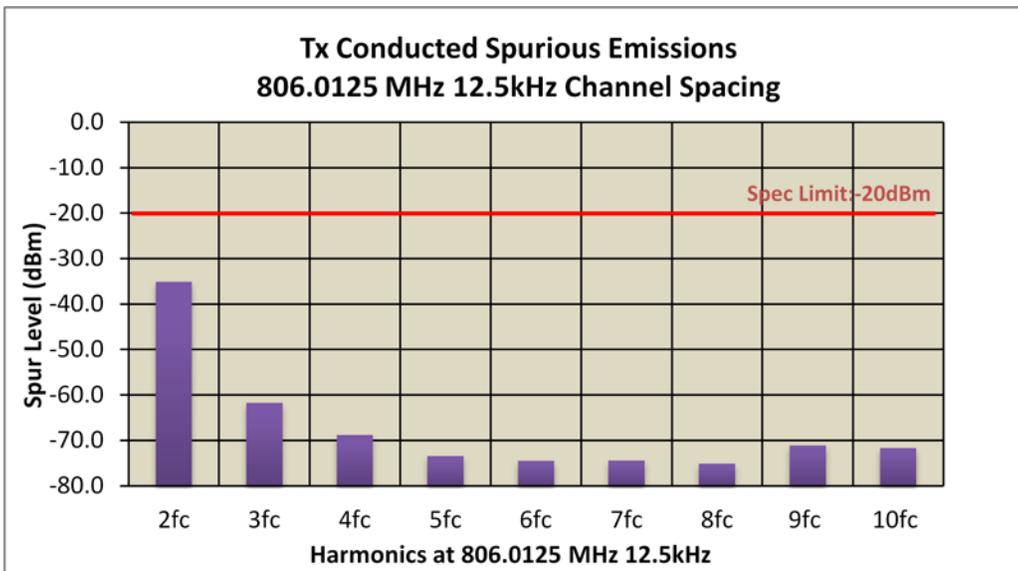


Figure 6F-1: 2.4W Harmonic of Carrier 806.0125 MHz, 12.5 kHz Channel Spacing

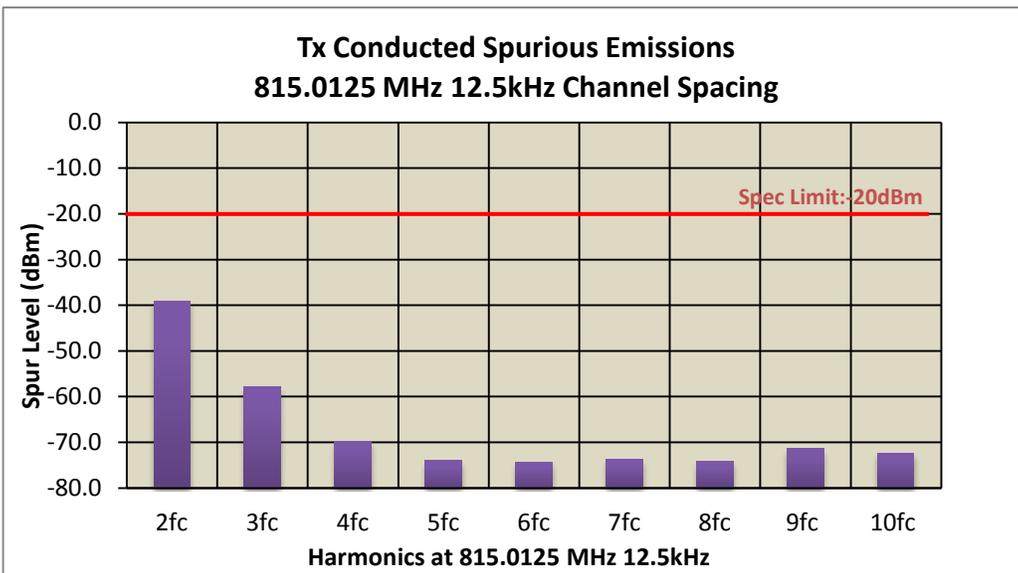


Figure 6F-2: 2.4W Harmonic of Carrier 815.0125 MHz, 12.5 kHz Channel Spacing

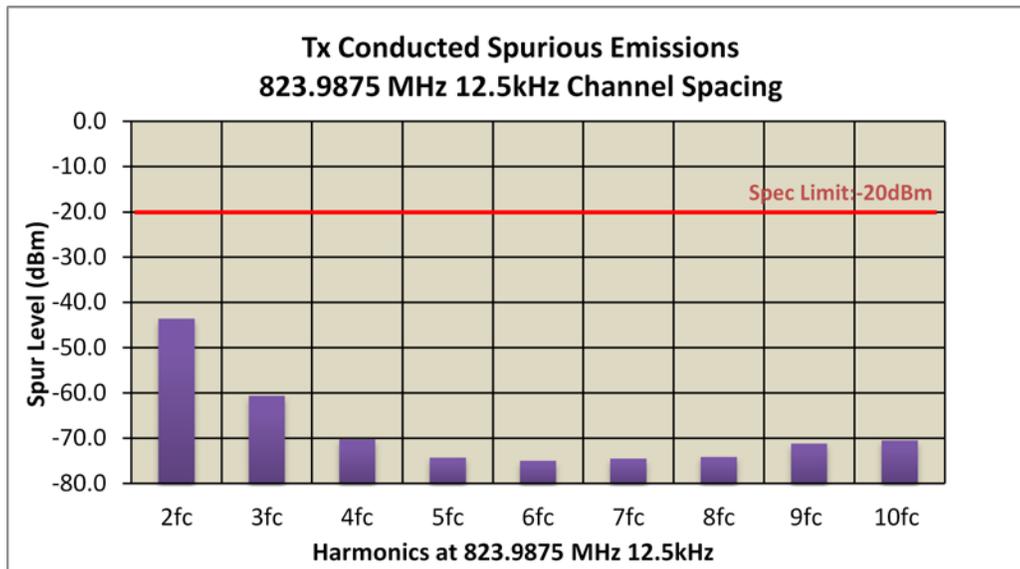


Figure 6F-3: 2.4W Harmonic of Carrier 823.9875 MHz, 12.5 kHz Channel Spacing

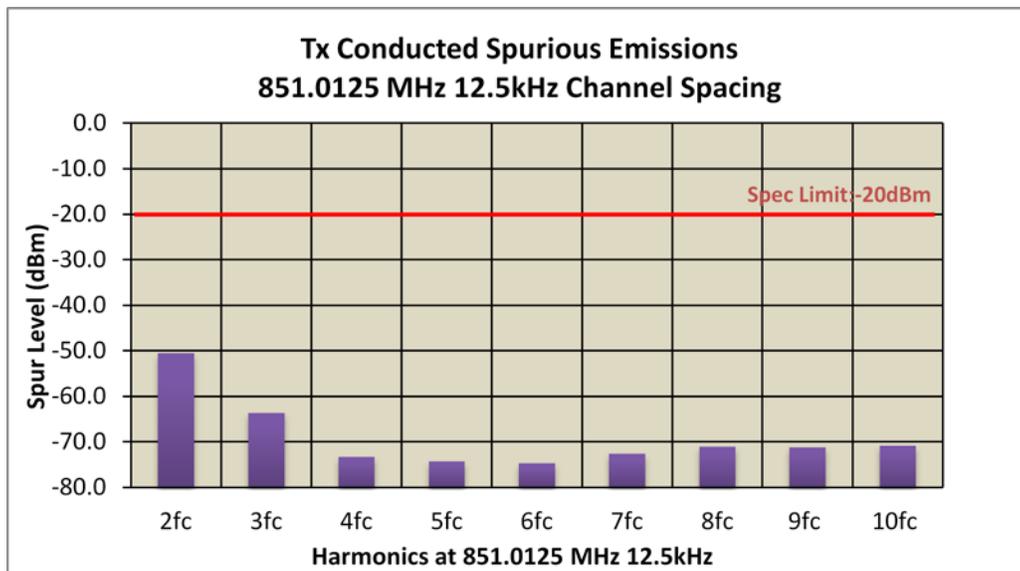


Figure 6F-4: 2.4W Harmonic of Carrier 851.0125 MHz, 12.5 kHz Channel Spacing

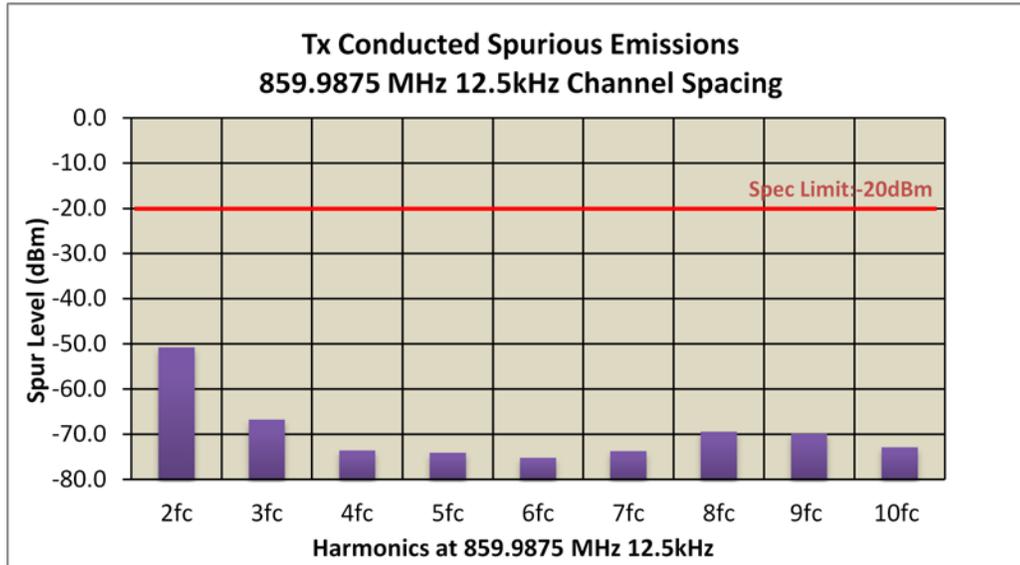


Figure 6F-5: 2.4W Harmonic of Carrier 859.9875 MHz, 12.5 kHz Channel Spacing

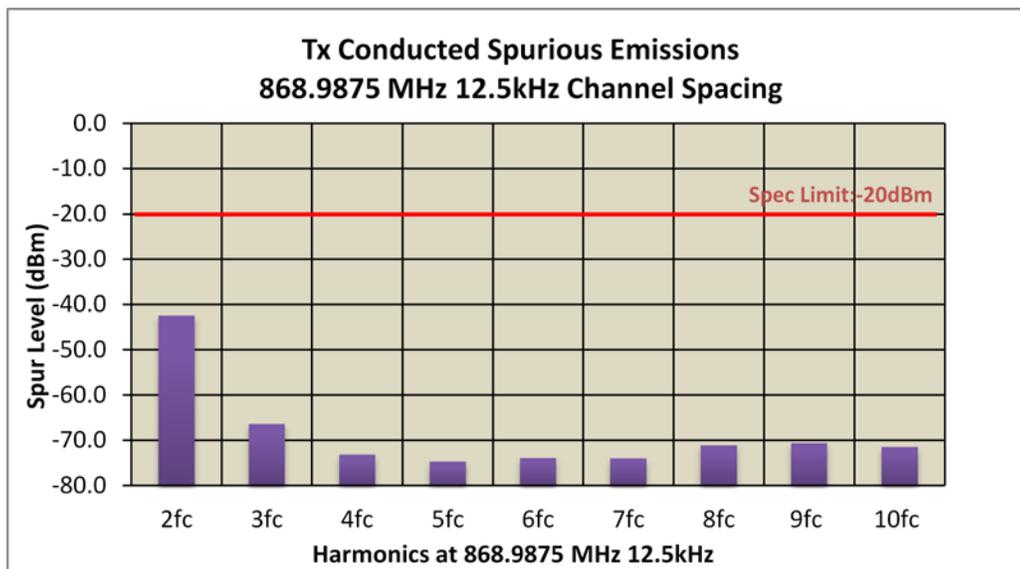


Figure 6F-6: 2.4W Harmonic of Carrier 868.9875 MHz, 12.5 kHz Channel Spacing

EXHIBIT 6G

Transmitter Radiated Spurious Emissions

Tx Power: 2.4 Watts

806.0125 MHz

Channel Spacing 12.5kHz | S/N 806TPR1011

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-20	*	*
2418.0375	-20	*	*
3224.0500	-20	*	*
4030.0625	-20	*	*
4836.0750	-20	*	*
5642.0875	-20	*	*
6448.1000	-20	*	*
7254.1125	-20	*	*
8060.1250	-20	*	*

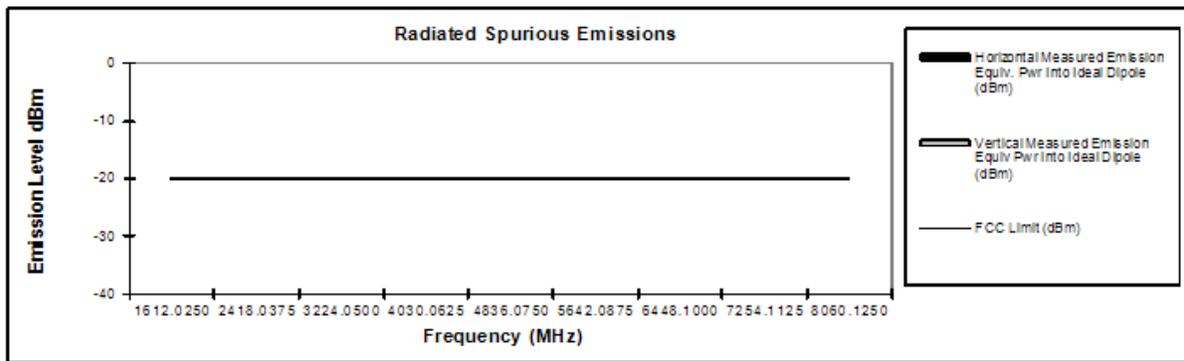


Figure 6G-1: 2.4W, 806.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.4 Watts

815.0125 MHz

Channel Spacing 12.5kHz | S/N 806TPR1011

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1630.0250	-20	*	*
2445.0375	-20	*	*
3260.0500	-20	*	*
4075.0625	-20	*	*
4890.0750	-20	*	*
5705.0875	-20	*	*
6520.1000	-20	*	*
7335.1125	-20	*	*
8150.1250	-20	*	*

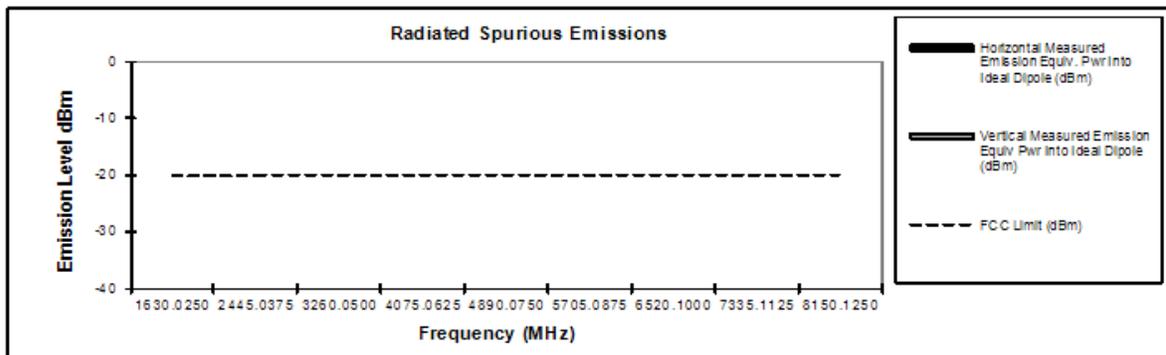


Figure 6G-2: 2.4W, 815.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.4 Watts

823.9875 MHz

Channel Spacing 12.5kHz | S/N 806TPR1011

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-20	*	*
2471.9625	-20	*	*
3295.9500	-20	*	*
4119.9375	-20	*	*
4943.9250	-20	*	*
5767.9125	-20	*	*
6591.9000	-20	*	*
7415.8875	-20	*	*
8239.8750	-20	*	*

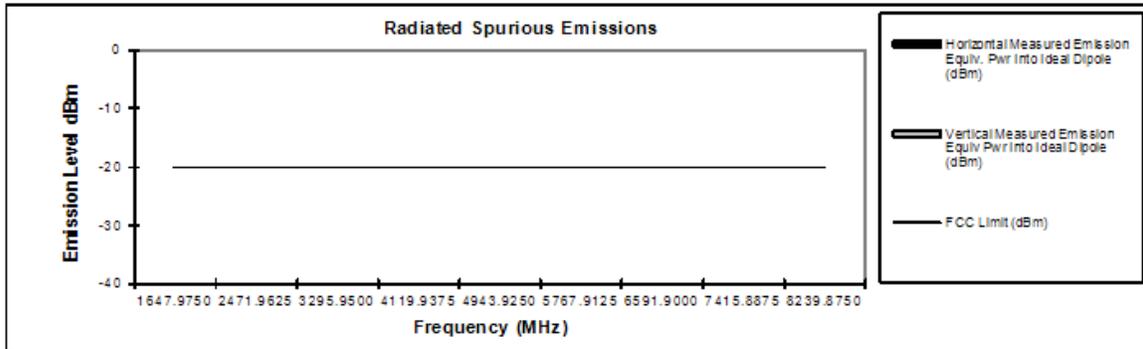


Figure 6G-3: 2.4W, 823.9875 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.4 Watts

851.0125 MHz

Channel Spacing 12.5kHz | S/N 806TPR1011

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1702.0250	-20	*	*
2553.0375	-20	*	*
3404.0500	-20	*	*
4255.0625	-20	*	*
5106.0750	-20	*	*
5957.0875	-20	*	*
6808.1000	-20	*	*
7659.1125	-20	*	*
8510.1250	-20	*	*

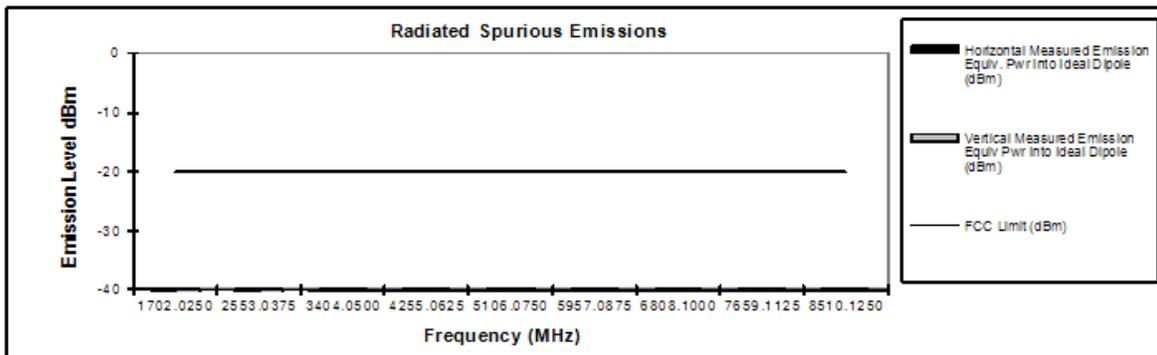


Figure 6G-4: 2.4W, 851.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.4 Watts

859.9875 MHz

Channel Spacing 12.5kHz | S/N 806TPR1011

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1719.9750	-20	*	*
2579.9625	-20	*	*
3439.9500	-20	*	*
4299.9375	-20	*	*
5159.9250	-20	*	*
6019.9125	-20	*	*
6879.9000	-20	*	*
7739.8875	-20	*	*
8599.8750	-20	*	*

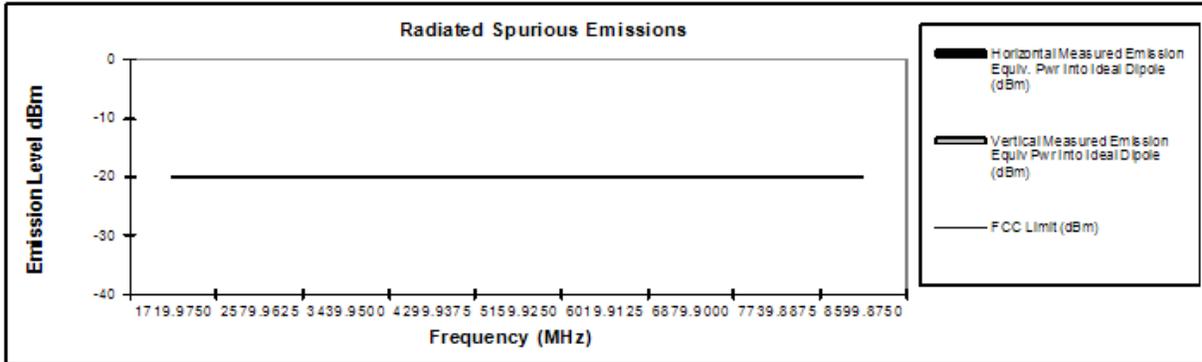


Figure 6G-5: 2.4W, 859.9875 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.4 Watts

868.9875 MHz

Channel Spacing 12.5kHz | S/N 806TPR1011

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.9750	-20	*	*
2606.9625	-20	*	*
3475.9500	-20	*	*
4344.9375	-20	*	*
5213.9250	-20	*	*
6082.9125	-20	*	*
6951.9000	-20	*	*
7820.8875	-20	*	*
8689.8750	-20	*	*

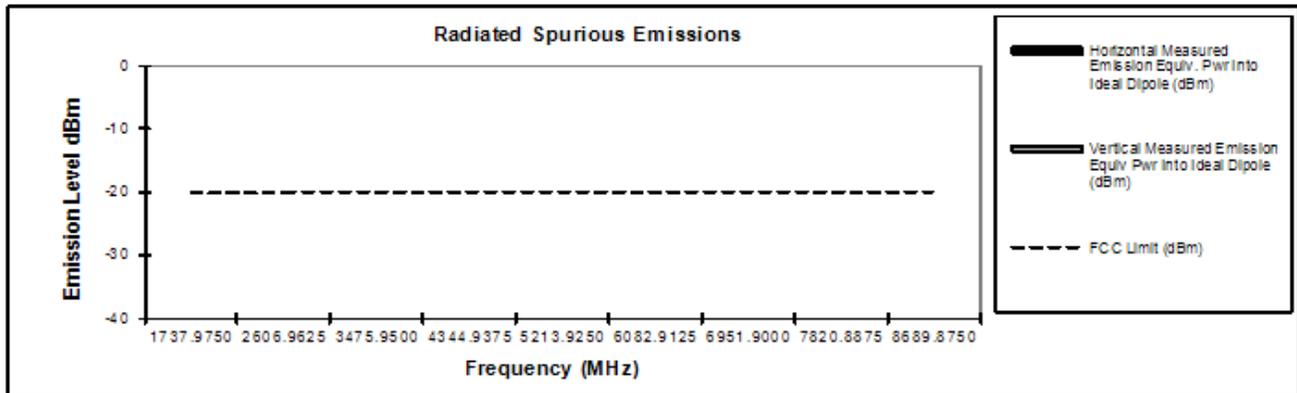


Figure 6G-6: 2.4W, 868.9875 MHz, 12.5 kHz Channel Spacing

EXHIBIT 6H

Frequency Stability

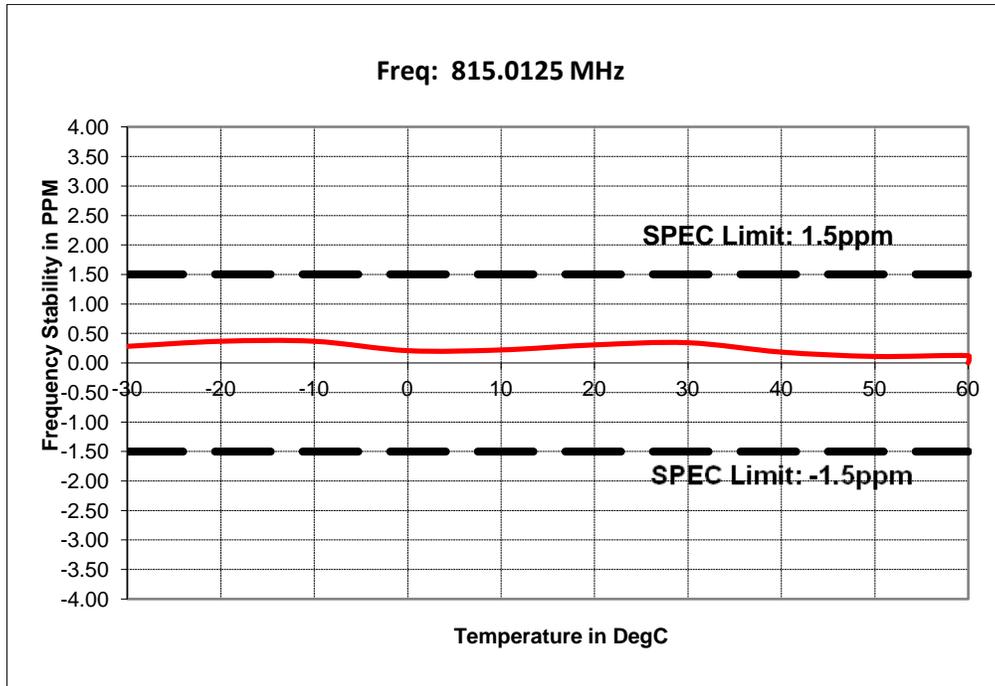


Figure 6H-1: 1.5 ppm Frequency Stability vs. Temperature

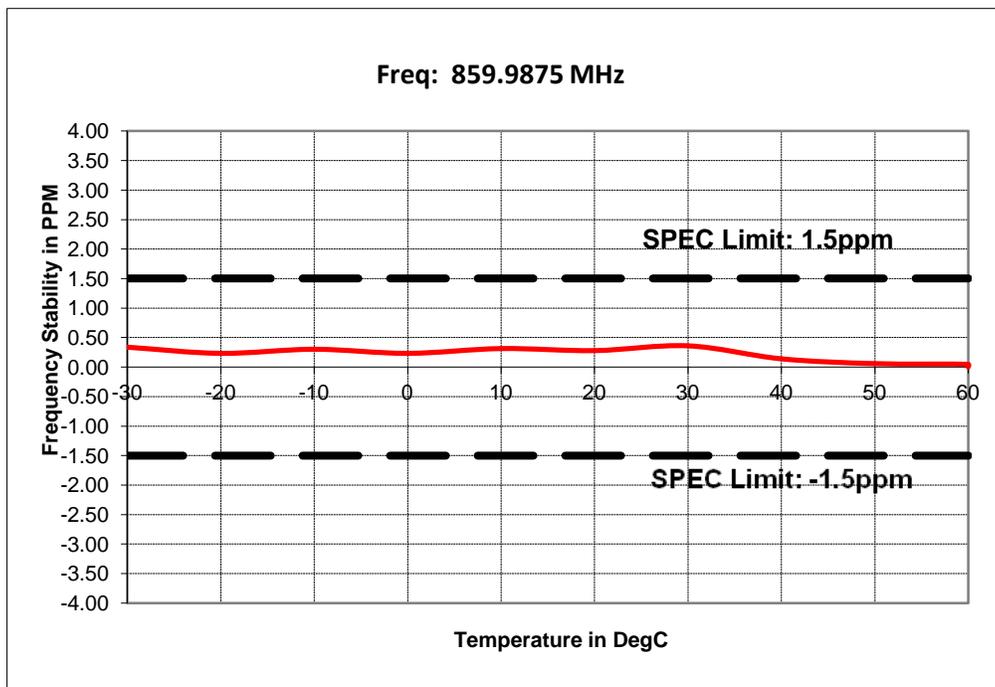


Figure 6H-2: 1.5 ppm Frequency Stability vs. Temperature

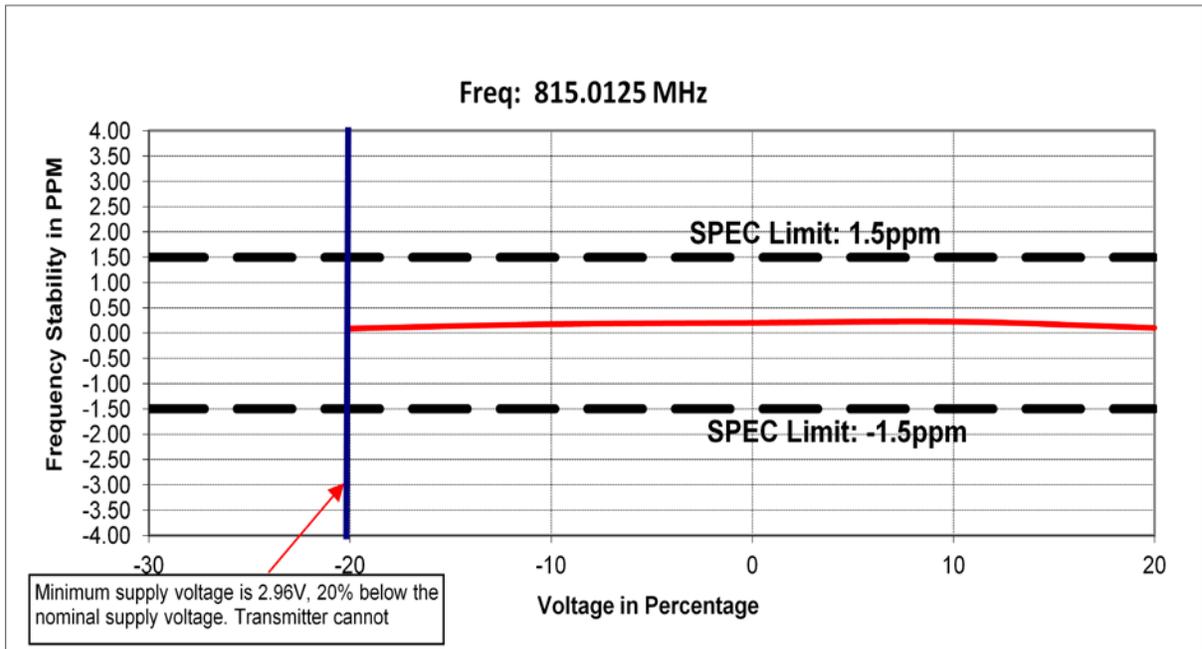


Figure 6H-3: 1.5 ppm Frequency Stability vs. Supply Voltage

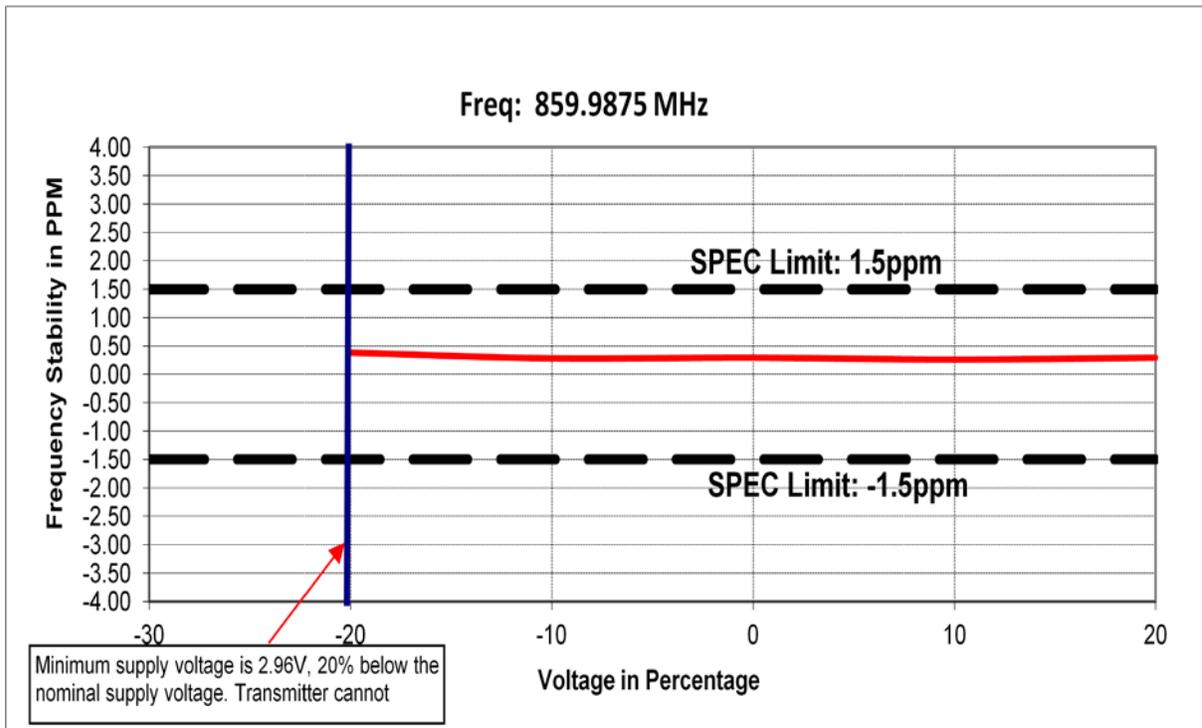


Figure 6H-4: 1.5 ppm Frequency Stability vs. Supply Voltage